

Materials List for:

Hypoxic Preconditioning of Marrow-derived Progenitor Cells As a Source for the Generation of Mature Schwann Cells

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Materials

Name	Company	Catalog Number	Comments
αMEM	Sigmaaldrich	M4526	
DMEM/F12	Thermofisher scientific	12400-024	
Neurobasal medium	Thermofisher scientific	21103-049	
FBS	Biosera	FB-1280/500	
B27	Thermofisher scientific	17504-001	
Epidermal growth factor (EGF)	Thermofisher scientific	PHG0313	
Basic fibroblast growth factor (bFGF)	Peptotech	100-18B/100UG	
Nerve growth factor (NGF)	Millipore	NC011	
Platelet-derived growth factor-AA (PDGF-AA)	Peptotech	100-13A	
Heregulin beta-3, EGF domain (β-Her)	Millipore	01-201	
Uridine	Sigmaaldrich	U3003	
5-Fluro-2' - deoxyuridine (FDU)	Sigmaaldrich	F0503	
Poly-D-lysine (PDL)	Sigmaaldrich	P7886-1G	
Laminin	Thermofisher scientific	23017015	
GlutaMAX	Thermofisher scientific	35050061	
Penicillin / streptomycin (P/S)	Thermofisher Scientific	15140-122	
TrypLE Express	Thermofisher Scientific	12604-013	
10 cm plate for adherent culture	TPP	93100	Used for selection of MSCs by tissue culture adherence
6-well plate for adherent culture	TPP	92006	Used for expansion of MSCs following passaging
UltraLow 6-well plate for non-adherent culture	Corning	3471	Used for neural progenitor enrichment
anti-human CD90(Thy-1)	BD Biosciences	555593	
anti-human CD73	BD Biosciences	550256	
anti-human/rat STRO-1	R&D Systems	MAB1038	
anti-human nestin	R&D Systems	MAB1259	
anti-human CD45	BD Biosciences	555480	
anti-rat CD90(Thy-1)	BD Biosciences	554895	
anti-rat CD73	BD Biosciences	551123	
anti-rat nestin	BD Biosciences	MAB1259	

anti-rat CD45	BD Biosciences	554875	
Anti-S100 β	Dako	Z031101	
Anti-p75	Millipore	MAB5386	
Anti-GFAP	Sigmaaldrich	G3893	
Anti-Class III-beta tubulin (Tuj-1)	Covance	MMS-435P	
Anti-Human nuclei	Millipore	MAB1281	
Hypoxia chamber	Billups-Rothenberg	MIC-101	
HEPES buffer	Sigmaaldrich	H4034-100G	